

# **Status of BNLs Pipe Insulation Inspection Project for Occupied Spaces**

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Building Managers Meeting  
September 11, 2007

## Status of Pipe Insulation Inspection Project for Occupied Spaces

### Project:

- Initial field tasks to **comply with OSHA** regulation; OSHA 1910 29CFR1001; Asbestos

### Purpose:

- To identify, verify and **abate hazardous conditions** to workers from damaged pipe insulations

## Status of Pipe Insulation Inspection Project for Occupied Spaces

- 1910.1001(j)(2)(i) *Building and facility owners shall determine the presence, location, and quantity of ACM and/or PACM at the work site.* Employers and building and facility owners shall exercise due diligence in complying with these requirements to inform employers and employees about the presence and location of ACM and PACM.
- Warning labels. 1910.1001(j)(4)(i) *Labeling. Warning labels shall be affixed to all raw materials, mixtures, scrap, waste, debris, and other products containing asbestos fibers, or to their containers.* When a building owner or employer identifies previously installed ACM and/or PACM, labels or signs shall be affixed or posted so that employees will be notified of what materials contain ACM and/or PACM. The employer shall attach such labels in areas where they will clearly be noticed by employees who are likely to be exposed, such as at the entrance to mechanical room/areas. Signs required by paragraph (j)(3) of this section may be posted in lieu of labels so long as they contain information required for labelling.

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## Steps in Pipe Insulation Identification

1. Walkthrough to visually identify presence and condition of pipe insulation in normally occupied spaces at BNL
  - Responsibility: Building Manager with S&H rep assistance
2. Verify asbestos content of materials and determine as Asbestos Containing Material (ACM) or non-ACM.
  - EP Asbestos trained personnel
3. Repair/remove hazardous conditions
  - EP Asbestos trained personnel
4. Identify location, type and quantity of ACM in normally occupied spaces
  - Building Manager with EP and S&H rep assistance
5. Label pipe insulations correctly as ACM or non-ACM
  - Building Manager with S&H rep assistance

Note: all steps may be underway simultaneously; we don't want to leave a known hazard while sampling other areas

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## Prioritization

### 1. High Priority:

- Damaged ACM; Identify, Repair/replace, Label, & Quantify

### 2. Moderate Priority

- Undamaged ACM; Identify, Quantify and Label

### 3. Low Priority:

- Label Non-ACM

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## Schedule

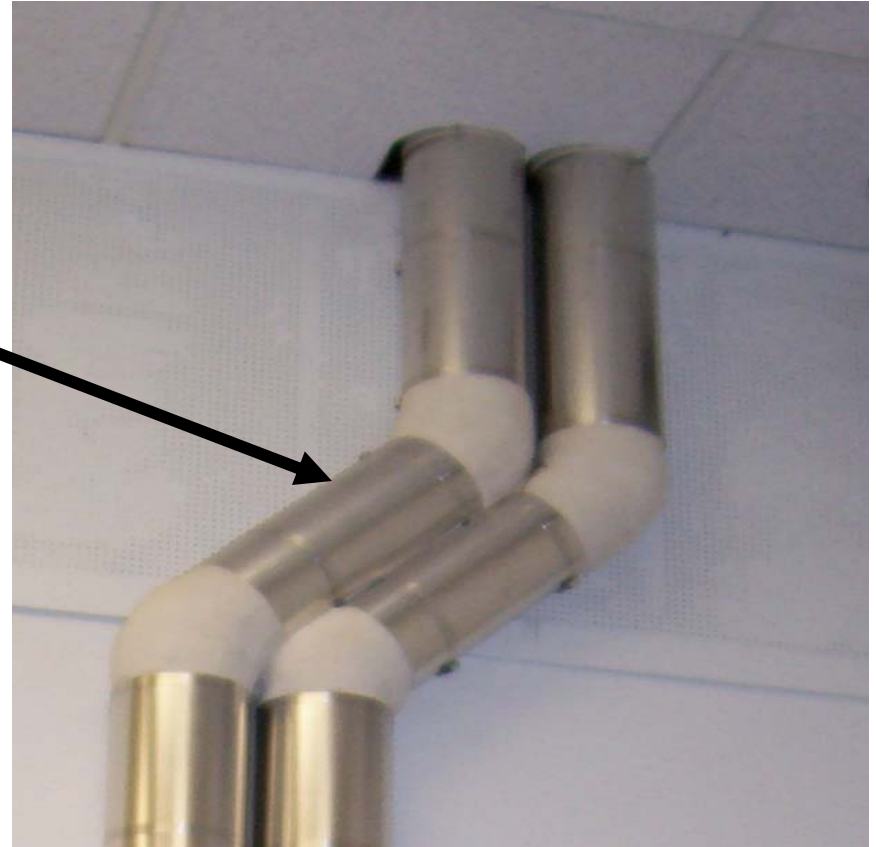
#	Action	Due Date
1.1	SHSD Safety & Health Representatives are qualified to perform survey for the presence/status of Insulated Pipes	08/20/07: Complete
1.2	SHSD Safety & Health Representatives provide qualification to Building Managers (and ESH Coordinators) to perform survey for the presence/status of Insulated Pipes	08/21-24/07; Complete
1.3	S&H Representative and Building Managers conduct survey of insulated piping in occupied areas of buildings.	08/21-31/07: Incomplete
1.4	S&H Representative and Building Managers provide a list of areas with insulated piping in occupied areas.	08/31/07; Incomplete
1.5	Survey data is compiled and prioritized by SHSD	09/05/07; Incomplete, change in responsibility to EP??
2.1	S&H Representative conduct background air sampling in areas with insulated piping.	09/30/07; Ongoing
3.1	Occupied Areas with damaged insulation are abated (and new insulation labeled) by EP	--; Not Started
3.2	Occupied Areas with undamaged insulation are labeled by EP.	--; Not Started

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Note: Both Pipe Insulation and Elbow Should be labeled as Non-ACM

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Note: Both Pipe Insulation and Mudded Elbow should be labeled



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Note: only the elbow is ACM



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Note: Upper slides are EP space but slide to left is occupied space.

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Pipe Insulation Observation Survey 2007- Buildings Surveyed

Rev0 09/06/07

100's	200's	300's	400's	500's
30	210	304	400	463
87	211	317	405	473
97	244	321	406	475
100		326	412	477
120		339	421	478
130		355	422	479
134		356	423	480
179		370	449	488
185		373	459	490
		388	460	492
			461	493
			462	

600's	700's	800's	900's	1000's
600	703	801	901	930
610	725	802	901A	940
624	726	810	902	956
650T	727	811	905	958
651	728	815	911	966
680	729	817	912	
680A		817M	919	
		830	919A	
		830M	919B	
		832	922	
		855	923	
		860	925	
		865	928	
		870	929	

Red = No record on file with the IH Manager.

## Notes:

- Building 1005 partial other buildings may be also.
- H&S reps are by dept. not bldg.
- C-AD is scheduled for completion 9/10-11/07.

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### WHERE DO WE GO FROM HERE

Pipe Insulation information is still being gathered

Some Information is ready to be sent to EP for determination of priority areas to sample

Next steps are

- Provide data to EP
- Complete building surveys
- Prioritize sample areas
- Conduct bulk sampling
- Interpret sample results
- Abate hazards
- Label all pipe insulations as ACM or non-ACM

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# QUESTIONS

# ??????